

GENERAL DUTIES

Suitable for all contractors' duties including wellpointing, pumping of water containing a high proportion of abrasive solids, screened sewage, thick slurries and trade effluents. Automatic priming and repriming at suction lifts down to 30 ft (9.14m), will operate on "snore" (suction entry exposed to air as well as liquid) at all depths and deal with intermittent flows.

PUMP

Impeller: Three blade open type, nodular iron (SNG24/17-BS2789-1961) for passing $2\frac{1}{2}$ " (64mm) dia. solids

Locking Screw: Phosphor bronze (BS369)

Wear Plates: Front — nodular iron (SNG24/17-BS2789-1961)

Rear — cast iron (BS1452-14)

Pump Shaft: Nodular iron (SNG24/17-BS2789-1961) bolted directly to engine flywheel

Shaft Sleeve: Cast iron (BS1452-17)

Pump Body: Cast iron (BS1452-14) horizontal suction entry 4" (100mm) flange BS table D

Volute: Cast iron (BS1452-14)

Matching Piece: Cast iron (BS1452-14) bolted directly to engine flywheel housing

Primary Tank: Cast aluminium (BS1490-LM4-M)

Float Gear: Fullway corrosion resistant

Reflux Valve Box: Cast iron (BS1452-12) vertical discharge 4" (100mm) flange BS table D.

Reflux Valve: Clack type with oil resistant rubber disc

ENGINE

Lister HR2 air-cooled diesel engine developing 21.5/27.5 b.h.p. at 1500/2000 r.p.m. or Lister ST2 air-cooled diesel engine developing 12/16.2 b.h.p. at 1500/2000 r.p.m.

24 hours BS rating under normal temperature and altitude conditions, hand started, complete with fuel lift pump, air filter and exhaust silencer.

Rotation: Counter-clockwise looking on flywheel.

Vacuum Pressure Seal: Flexibly mounted in rubber 'O' rings

Packing: $\frac{1}{2}$ " (13mm) greasy cotton

CHASSIS

Built-in Fuel Tank: Capacity — 24 gallons (109 litres) giving 17 hours (HR2) or 42 hours (ST2) normal running

Wheels: Four 16" x 4" (406mm x 102mm) needle bearing cushion tyred

Axles: Front — swivelling with drawbar

Rear — fixed

Slings Gear: Rigid centre point

VACUUM PUMP

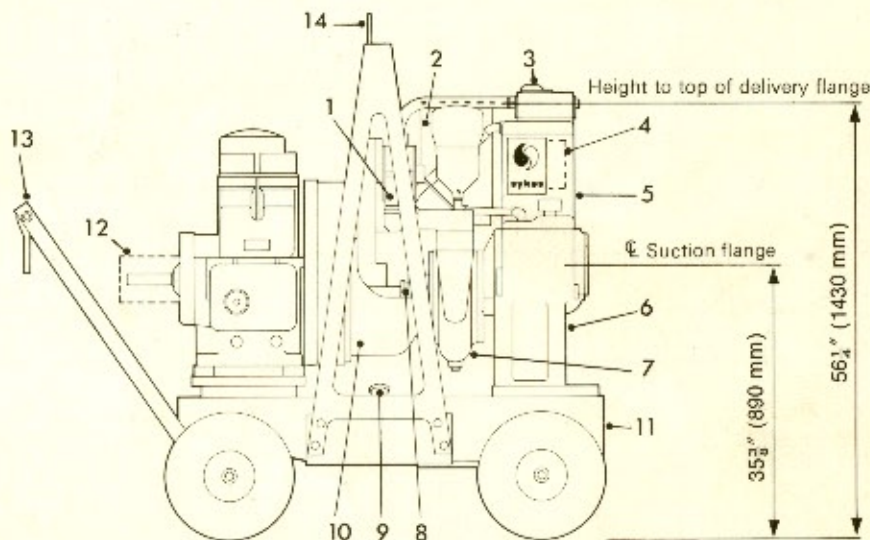
Type: Oil flood lubricated with nominal displacement of 25 c.f.m. (42.5m³/h)

Stator & End Covers: Cast iron

Rotor: Steel with Ferobestos blades

Drive: Tooth belt from pump shaft (spare belt supplied)

- 1 Vacuum pump
- 2 Reflux valve box
- 3 Float gear
- 4 Instruction plate
- 5 Primary tank
- 6 Pump body
- 7 Volute
- 8 Vacuum pressure seal
- 9 Filler cap
- 10 Matching piece
- 11 Chassis
- 12 Engine shaft guard
- 13 Drawbar
- 14 Lifting point



Spare parts manual and operating instructions available.

ACCESSORIES

PUMP

1. Intake — large hole type.
2. Flanged adaptors — to suit metric sizes.
3. Sykes Bauer quick acting lever type couplings for hoses, adaptors, bends and intakes.

ALTERNATIVES

Pump only — to suit customer's prime mover.

Diesel engines or electric motor to suit. Mounted on bedplate, skid frame or high-speed trailer.

OPTIONAL EXTRAS

ENGINE

1. 12-volt electric starting equipment.
2. Simms spring start.
3. Variable speed control.
4. Heavy-duty air filter.
5. Tachometer and oil pressure gauge.
6. Alternative exhaust systems.

Because we continually strive to improve our products we may have to amend details contained in this publication without prior notice.

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